



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : HUANG
Application No. : 10/781,889
Filed : February 20, 2004
Title : METHOD FOR INITIALIZATION AND STEPSIZE
CONTROL OF TIME-DOMAIN EQUALIZER IN...
Group Art Unit : 2631
Examiner : Unassigned
Attorney Docket : 3111-421

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

TRANSMITTAL COVER SHEET

Transmitted herewith for filing are the following:

1. INFORMATION DISCLOSURE STATEMENT, along with
Form PTO-1449 (in duplicate) and copies of foreign documents
and articles listed thereon.
2. CLAIM TO PRIORITY, along with certified copy of Taiwan Application
No. 092103588, filed February 21, 2003.

The Commissioner is hereby authorized to charge any fees which may be
required for the filing of this document to **Deposit Account No. 501874.**

Respectfully submitted,

Date: June 20, 2005

By:


Bruce H. Troxell
Reg. No. 26,592

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OFFICE OF INITIAL PATENT EXAMINATION

Commissioner for Patents
P.O. Box 1450
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INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 CFR 1.56, and 37 CFR 1.97-1.98, the documents listed on the attached form PTO-1449 are hereby made of record in this patent application. Copies of the articles and any foreign patent documents are enclosed.

As this Information Disclosure Statement is being filed prior to the mailing of the first Official Action in this application, no fee is believed due in order to have the enclosed references considered by the Examiner and made of record in the application.

Early action on the merits of the application is earnestly solicited.

Respectfully submitted,

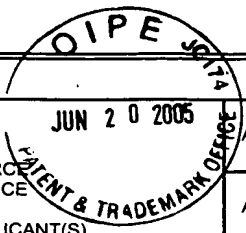
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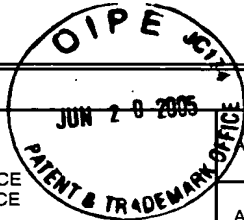
FORM PTO 1449 (modified)	ATTY DOCKET NO. 3111-421	APPLICATION NO. 10/781,889
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	APPLICANT HUANG	
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)	FILING DATE February 20, 2004	GROUP 2631
Date Submitted to PTO: June 20, 2005		

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5285474	Feb. 8, 1994	Chow et al.			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
		Jack S. Chow, Jerry C. Tu, and J.M. Cioffi, "A Discrete Multitone Transceiver System for HDSL Applications", IEEE J. on Sel Areas in Comm., Vol. 9, No. 6, pp. 895-908, August 1991					
		J.S. Chow, J.M. Cioffi, and J.A.C. Bingham, "Equalizer training algorithms for multicarrier modulation system", ICC, pp. 761-765, May 1993					
		J.W. Melsa, Richard C. Younce and Charles E. Rohrs, "Impulse Response Shortening for Discrete Multitone Transceivers", IEEE Trans. on Comm., Vol. 44, No. 12, pp. 1662-1672, December 1996					
		N. Al-Dhahir and J.M. Cioffi, "Efficiently computed reduced-parameter input-aided MMSE equalizers for ML detection: A unified approach", IEEE Trans. on Info. Theory, Vol. 42, pp. 903-915, May 1996					
		N. Al-Dhahir and J.M. Cioffi, "Optimum finite-length equalization for multicarrier transceivers", IEEE Trans. on Comm., Vol. 44, pp. 56-63, Jan. 1996					
		Werner Henkel, and Thomas Kessler, "Maximizing the Channel Capacity of Multicarrier Transmission by Suitable Adaptation of the Time-Domain Equalizer", IEEE Trans. on Comm., Vol. 48, No. 12, December 2000					
		Katleen et al., "Per Tone Equalization for DMT-Based Systems", IEEE Trans. on Comm., Vol. 49, No. 1, Jan. 2001					
		Guner Arslan et al., "Equalization for Discrete Multitone Transceivers to Maximize Bit Rate", IEEE Trans. on Signal processing.					

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



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